



3D-HD: A short demonstration

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HDTV-across-Europe Conference

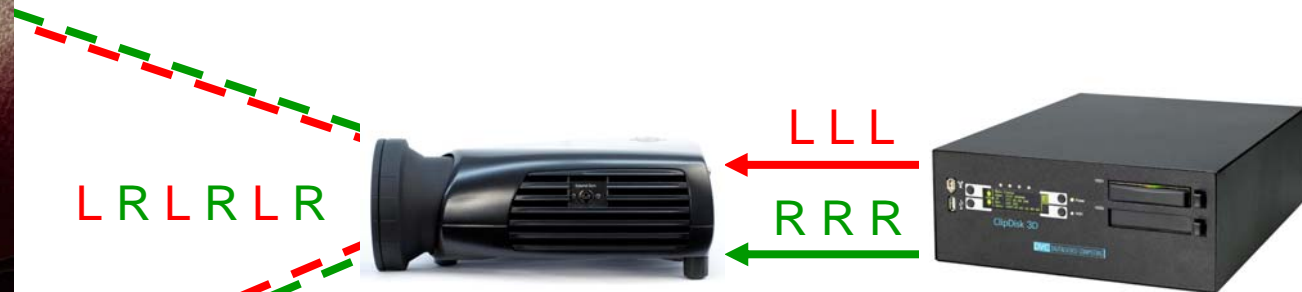
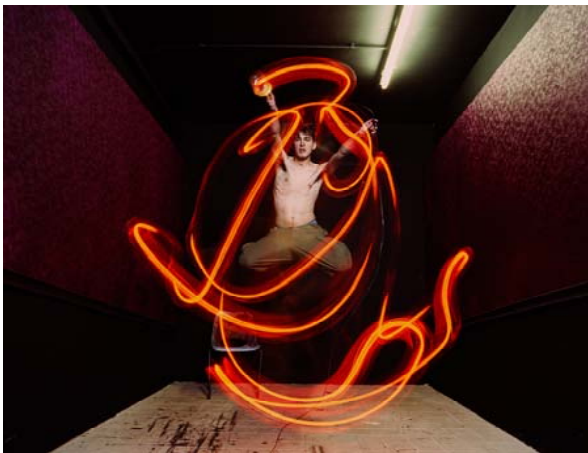
14th & 15th October 2008

3D • Setup

③ Conventional Big Screen

② Active Stereo 3D Projector F10 AS3D

① HD Server ClipDisk 3D (2ch DVI)



LRLRLR
IR Beam

④ Active Shutter Glasses

- ① ClipDisk 3D provides synchronized playback of left and right channel
- ② Projector displays alternating left and right picture and provides left/right information via IR beam
- ③ No silver screen required
- ④ Active shutter glasses shade the respective eye, controlled by the IR beam

3D • Hardware

2ch MPEG-2 HD Playout-Server

- ▶ Removeable HDD, 2 x 160 GB (for up to 4h 3D @ 80 Mbps)
- ▶ 1920 x 1080 pixels / channel
- ▶ Linux OS, Booting from Flash
- ▶ Front Panel Controller Display
- ▶ Synchronization accuracy: +/- 16 Pixels
- ▶ DVI-I or HD-SDI output



ClipDisc 3D

Active 3D Stereoscopic DLP projector

- ▶ Single Chip DMD
- ▶ 1400 x 1050 pixels
- ▶ About 2000 ANSI Lumens
- ▶ Contrast ratio: >3000 : 1
- ▶ 2 x DVI or 2 x VGA input
- ▶ Focusing distance: 1m -15m



F10 AS3D

Special Thanks to ..

- ▶ 3D-Film-Peschke, DLR, HFF, KuK-Film and Parallax
 - ↳ .. for the permission of screening their content
- ▶ digital IMAGE and projection**design**
 - ↳ .. for providing the 3D Projector and Shutter Glasses



3D-HD Demo

Thank you for your attention

Please enjoy now the **3D** experience